**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PER. \_\_\_\_\_**

**DNA: THE MOLECULE OF HEREDITY**

**Complete the sentences below**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, guanine (G), cytosine (C), and thymine (T) are the four

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in DNA.

2. In DNA, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ always forms a hydrogen bond with guanine (G).

3. The sequence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ carries the egenetic information

of an organisms.

4. The process of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ produces a new copy of an organism’s

genetic information to pass on to a new cell.

5. The double-coiled shape of DNA is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Lable the diagram using the word bank below.**

**Word Bank: deoxyribose phospate group nitrogen base**

**hydrogen bonds base pair**

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**11.**

**10.**

**9.**

**8.**

**7.**

**6.**